

Rsp5 (yN-17): sc-26192

BACKGROUND

Ubiquitin, an abundant, highly conserved protein found in all eukaryotic cells, exists as either a free form or covalently attached to cellular proteins.

Ubiquitin functions to clear abnormal, foreign, and improperly folded proteins from eukaryotic cells by targeting them to the 26S proteasome for degradation. In *Saccharomyces cerevisiae*, Rsp5, a ubiquitin ligase, mediates the ubiquitination of numerous proteins, and participates in several processes, including transcription, mitochondrial inheritance, and the internalization of plasma membrane proteins. Rsp5 contains an amino terminal C2 domain, three internal WW domains, and a carboxy terminal catalytic HECT domain. The WW domains mediate protein-protein interactions. The second WW domain mediates the binding of Rsp5 to the carboxy terminal domain (CTD) of the RNA polymerase II (Rpb1), whereas the third WW domain plays a particularly important role in endocytosis.

REFERENCES

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SOURCE

Rsp5 (yN-17) is an affinity purified goat polyclonal antibody raised against a peptide mapping near the N-terminus of Rsp5 of *Saccharomyces cerevisiae* origin.

RESEARCH USE

For research use only, not for use in diagnostic procedures.

PRODUCT

Each vial contains 200 µg IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Blocking peptide available for competition studies, sc-26192 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

Rsp5 (yN-17) is recommended for detection of Rsp5 of *Saccharomyces cerevisiae* origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

RECOMMENDED SECONDARY REAGENTS

To ensure optimal results, the following support (secondary) reagents are recommended: 1) Western Blotting: use donkey anti-goat IgG-HRP: sc-2020 (dilution range: 1:2000-1:100,000) or Cruz Marker™ compatible donkey anti-goat IgG-HRP: sc-2033 (dilution range: 1:2000-1:5000), Cruz Marker™ Molecular Weight Standards: sc-2035, TBS Blotto A Blocking Reagent: sc-2333 and Western Blotting Luminol Reagent: sc-2048.

STORAGE

Store at 4° C, **DO NOT FREEZE**. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

PROTOCOLS

See our web site at www.scbt.com or our catalog for detailed protocols and support products.